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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TETRAHYDRO-NAPHTHALENE DERIVATIVES AS VANILLOID RECEPTOR ANTAGONISTS

(57) Abstract: This invention relates to tetrahydro-naphthalene derivatives and salts thereof which is useful as an active ingredient of pharmaceutical preparations. The tetrahydro-naphthalene derivatives of the present invention have an excellent activity as VR1 antagonist and useful for the prophylaxis and treatment of diseases associated with VR1 activity, in particular for the treatment of urinary incontinence, urge urinary incontinence, overactive bladder, chronic pain, neuropathic pain, postoperative pain, rheumatoid arthritic pain, neuropathies, algesia, nerve injury, ischaemia, neurodegeneration, stroke, inflammatory disorders, asthma and COPD.





03 JUN 2003



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C275/32 C07C275/40

C07D211/22 A61P29/00

CO7D211/46

CO7D295/12 A61K31/17

C07D2O7/26 A61K31/395

C07D211/62 A61P13/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC \ 7 \ C07C \ C07D \ A61K \ A61P$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
WO 02 072536 A (WYMAN PAUL ADRIAN ;GLAXOSMITHKLINE (GB); THOMPSON MERVYN (GB); SMI) 19 September 2002 (2002-09-19) claims	1-21
WO 00 75106 A (WISCONSIN ALUMNI RES FOUND) 14 December 2000 (2000-12-14) cited in the application claims	1-21
WO 00 55152 A (BOEHRINGER INGELHEIM PHARMA) 21 September 2000 (2000-09-21) cited in the application claims	1-21
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	WO 02 072536 A (WYMAN PAUL ADRIAN; GLAXOSMITHKLINE (GB); THOMPSON MERVYN (GB); SMI) 19 September 2002 (2002-09-19) claims WO 00 75106 A (WISCONSIN ALUMNI RES FOUND) 14 December 2000 (2000-12-14) cited in the application claims WO 00 55152 A (BOEHRINGER INGELHEIM PHARMA) 21 September 2000 (2000-09-21) cited in the application claims

Special categories of cited documents: Advisor document defining the general state of the lart which is not considered to be of particular relevance. Every earlier document but published on or after the international filing date. Lavisor document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified). Odcument referring to an oral disclosure, use, exhibition or other means. Pod document published prior to the International filing date but later than the priority date claimed.	 T' later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken abne Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. &' document member of the same patent family
Date of the actual completion of the International search 5 March 2004	Date of mailing of the international search report
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Chouly, J



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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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P, X	cited in the application claims WO 03 095420 A (BAYER AG ;FUJISHIMA HIROSHI (JP); YAMAMOTO NORIYUKI (JP); KOKUBO T) 20 November 2003 (2003-11-20) page 8 -page 16; claims	1-3,5-21
		-

International application No. PCT/EP 03/13452

INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 19-21 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.



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Form PCT/ISA/210 (patent family annex) (July 1992)